ELSEVIER

Journal of Non-Crystalline Solids 197 (1996) 259–260

JOURNAL OF
NON-CRYSTALLINE SOLIDS

Author index

Abe, Y., see Nogami, M. 197 (1996) 73
Acharya, H.N., see Sahu, J. 197 (1996) 129
Algar, C.D., see Walters, J.K. 197 (1996) 41
Araujo, R., Oxygen vacancies in silica and germania glasses 197 (1996) 164
Araujo, R.J. and F.P. Fehlner, Sodium redistribution between oxide phases 197 (1996) 154
Avignant, D., see Ribeiro, S.J.L. 197 (1996) 8

Batirev, I.G., J.A. Leiro and M.H. Heinonen, Atomic magnetic moment and X-ray photoelectron spectra of Fe-based crystalline and amorphous alloys 197 (1996) 205
Biswas, A., see Sahu, J. 197 (1996) 129
Bray, K.L., see Stone, B.T. 197 (1996) 136
Burke, T.M., see Walters, J.K. 197 (1996) 41
Bushnell-Wye, G., see Walters, J.K. 197 (1996) 41

Chakrabarti, S., see Sahu, J. 197 (1996) 129
Champagnon, B., see Saviot, L. 197 (1996) 238
Chen, X.K., see Wang, J.J. 197 (1996) 25
Chowdari, B.V.R. and P. Pramoda Kumari, Thermal, electrical and XPS studies of $Ag_2O \cdot TeO_2 \cdot P_2O_5$ glasses 197 (1996) 31

Dexpert-Ghys, J., see Ribeiro, S.J.L. 197 (1996) 8
Dierdorf, I., see Oberhagemann, U. 197 (1996) 145
Dugat, P., see Ribeiro, S.J.L. 197 (1996) 8
Dutta, V., see Murthy, R.V.R. 197 (1996) 250
Duval, E., see Saviot, L. 197 (1996) 238

Ehrhardt, H., see Walters, J.K. 197 (1996) 41
Ekimov, A.I., see Saviot, L. 197 (1996) 238
Estournès, C., T. Lutz and J.L. Guille, Reduction of nickel in soda–lime–silicate glass by hydrogen 197 (1996) 192

Fehlner, F.P., see Araujo, R.J. 197 (1996) 154
Fukunaga, J., see Mishima, N. 197 (1996) 19

George, A.M., see Sen, S. 197 (1996) 53
Gies, H., see Oberhagemann, U. 197 (1996) 145
Giridhar, A. and S. Mahadevan, Silver as a dopant and as a constituent in As–Ag–Te glasses: electrical conductivity 197 (1996) 228
Giridhar, A., see Mahadevan, S. 197 (1996) 219
Guille, J.L., see Estournès, C. 197 (1996) 192

Haines, S.A., see Lograsso, T.A. 197 (1996) 197
Heinonen, M.H., see Batirev, I.G. 197 (1996) 205
Hoghooghi, B., see McKittrick, J. 197 (1996) 170
Howells, W.S., see Walters, J.K. 197 (1996) 41

Iwaida, M., see Suda, S. 197 (1996) 65

Jayasankar, C.K., see Renuka Devi, A. 197 (1996) 111

Kinski, I., see Oberhagemann, U. 197 (1996) 145
Konstantinov, L., see Zotov, N. 197 (1996) 179
Koponen, I. and P. Lintunen, Random transition rate model of stretched exponential relaxation. II. Self-similar rates from a complex energy 'landscape' 197 (1996) 247
Kudriavtsev, I.A., see Saviot, L. 197 (1996) 238

Leiro, J.A., see Batirev, I.G. 197 (1996) 205
Lintunen, P., see Koponen, I. 197 (1996) 247
Liu, L.J., see Wang, J.J. 197 (1996) 25
Lograsso, T.A. and S.A. Haines, Determination of the liquidus surface in the quasicrystalline region of the Al–Cu–Ru system 197 (1996) 197
Lopez, O.A., see McKittrick, J. 197 (1996) 170
Lutz, T., see Estournès, C. 197 (1996) 192

Macdonald, J.R., Analysis of dispersed, conducting-system frequency-response data 197 (1996) 83
Mahadevan, S. and A. Giridhar, Silver as a dopant and as a constituent in As–Ag–Te glasses: mean atomic volume and T_g 197 (1996) 219
Mahadevan, S., see Giridhar, A. 197 (1996) 228
Marinov, M., see Zotov, N. 197 (1996) 179
Marler, B., see Oberhagemann, U. 197 (1996) 145
McKittrick, J., B. Hoghooghi and O.A. Lopez, Vitrification and crystallization of barium aluminosilicate glass ceramics from zeolite precursors 197 (1996) 170
Mishima, N., R. Ota, T. Wakasugi and J. Fukunaga, Analysis of crystallization behavior in $Li_2O \cdot 2SiO_2$ glass by DTA method based on a liquid model 197 (1996) 19

Murthy, R.V.R. and V. Dutta, Investigation of interface and band gap states in amorphous silicon p–i–n solar cells using current deep level transient spectroscopy 197 (1996) 250

Newport, R.J., see Walters, J.K. 197 (1996) 41
Ngai, K.L., On the dynamics of the highly anisotropic glass transition in a columnar discotic liquid crystal 197 (1996) 1
Nogami, M. and Y. Abe, Properties of sol–gel-derived Al_2O_3–SiO_2 glasses using Eu^{3+} ion fluorescence spectra 197 (1996) 73

Oberhagemann, U., I. Kinski, I. Dierdorf, B. Marler and H. Gies, Synthesis and properties of boron containing MCM-41 197 (1996) 145
Ota, R., see Mishima, N. 197 (1996) 19

Pramoda Kumari, P., see Chowdari, B.V.R. 197 (1996) 31

Renuka Devi, A. and C.K. Jayasankar, Optical properties of Er^{3+} ions in lithium borate glasses and comparative energy level analyses of Er^{3+} ions in various glasses 197 (1996) 111
Ribeiro, S.J.L., P. Dugat, D. Avignant and J. Dexpert-Ghys, Structure and crystallization of lanthanum fluorozirconate glasses 197 (1996) 8
Rigden, J.S., see Walters, J.K. 197 (1996) 41

Sahu, J., A. Biswas, S. Chakrabarti and H.N. Acharya, Studies on Nd-doped colloidopolymeric silica xerogel 197 (1996) 129
Sattel, S., see Walters, J.K. 197 (1996) 41
Saviot, L., B. Champagnon, E. Duval, I.A. Kudriavtsev and A.I. Ekimov, Size dependence of acoustic and optical vibrational modes of CdSe nanocrystals in glasses 197 (1996) 238
Sen, S., A.M. George and J.F. Stebbins, Ionic conduction and mixed cation effect in silicate glasses and liquids: ^{23}Na and ^{7}Li NMR spin-lattice relaxation and a multiple-barrier model of percolation 197 (1996) 53
Senapati, U. and A.K. Varshneya, Viscosity of chalcogenide glass-forming liquids: an anomaly in the 'strong' and 'fragile' classification 197 (1996) 210
Stebbins, J.F., see Sen, S. 197 (1996) 53
Stone, B.T. and K.L. Bray, Fluorescence properties of Er^{3+}-doped sol–gel glasses 197 (1996) 136
Suda, S., M. Iwaida, K. Yamashita and T. Umegaki, The effects of sodium ion on hydrolysis and condensation of diethoxydimethylsilane 197 (1996) 65

Tverjanovich, A., see Tver'yanovich, Yu.S. 197 (1996) 235
Tver'yanovich, Yu.S., V.M. Ushakov and A. Tverjanovich, Heat of structural transformation at the semiconductor–metal transition in As_2Te_3 liquid 197 (1996) 235

Umegaki, T., see Suda, S. 197 (1996) 65
Ushakov, V.M., see Tver'yanovich, Yu.S. 197 (1996) 235

Varshneya, A.K., see Senapati, U. 197 (1996) 210

Wakasugi, T., see Mishima, N. 197 (1996) 19
Walters, J.K., C.D. Algar, T.M. Burke, J.S. Rigden, R.J. Newport, G. Bushnell-Wye, W.S. Howells, S. Sattel, M. Weiler and H. Ehrhardt, A neutron and X-ray diffraction study of the influence of deposition conditions on the structure of a-C:H 197 (1996) 41
Wang, J.J., D.H. Zhang, L.J. Liu and X.K. Chen, Electronic transport properties of a-Si–Y–H alloy films deposited by rf sputtering 197 (1996) 25
Weiler, M., see Walters, J.K. 197 (1996) 41

Yamashita, K., see Suda, S. 197 (1996) 65

Zhang, D.H., see Wang, J.J. 197 (1996) 25
Zotov, N., M. Marinov and L. Konstantinov, Degree of structural disorder in sodium metasilicate glass: model for Raman spectra 197 (1996) 179

ELSEVIER

Journal of Non-Crystalline Solids 197 (1996) 261–263

JOURNAL OF
NON-CRYSTALLINE SOLIDS

Subject index

Alkali Silicate Glasses
Crystallization, Differential Thermal Analysis 197 (1996) 19
Modelling, Raman Spectra 197 (1996) 179

Alloys
Glasses Containing Transition Metal Ions, Magnetic Properties, XPS 197 (1996) 205

Amorphous Solids
Crystallization, Silicates, Thermal Properties 197 (1996) 170

Annealing Effects
Fluorescence Spectra, Rare Earth Ions, Sol–Gel Processes 197 (1996) 136

Borates
Modelling, Optical Properties, Rare Earth Ions 197 (1996) 111
Porosity, Structure 197 (1996) 145

Carbon
Hydrogen Effects, Neutron Diffraction, X-ray Diffraction 197 (1996) 41

Chalcogenides
Composites, Nanocrystalline Materials, Raman Spectra 197 (1996) 238
Density, Differential Scanning Calorimetry, Metal–Non-metal Transition 197 (1996) 235
Differential Scanning Calorimetry, Viscosity 197 (1996) 210
Electrical Properties 197 (1996) 228
Glass Transition 197 (1996) 219

Composites
Chalcogenides, Nanocrystalline Materials, Raman Spectra 197 (1996) 238

Crystallization
Alkali Silicate Glasses, Differential Thermal Analysis 197 (1996) 19
Amorphous Solids, Silicates, Thermal Properties 197 (1996) 170
Fluoride Glasses, Structure 197 (1996) 8

Density
Chalcogenides, Differential Scanning Calorimetry, Metal–Non-metal Transition 197 (1996) 235

Dielectric Relaxation
Electrical Properties and Relaxation, Modelling 197 (1996) 83

Differential Scanning Calorimetry
Chalcogenides, Density, Metal–Non-metal Transition 197 (1996) 235
Chalcogenides, Viscosity 197 (1996) 210

Differential Thermal Analysis
Alkali Silicate Glasses, Crystallization 197 (1996) 19

Diffusion
Modelling, Structure 197 (1996) 154

Electrical Properties
Chalcogenides 197 (1996) 228
Oxides, Thermal Properties, XPS 197 (1996) 31
Silicon Alloys, Sputtering, Transport Properties – Solids 197 (1996) 25

Electrical Properties and Relaxation
Dielectric Relaxation, Modelling 197 (1996) 83

Electron Interactions
Solar Cells – Tandem 197 (1996) 250

Fluorescence Spectra
Annealing Effects, Rare Earth Ions, Sol–Gel Processes 197 (1996) 136
Optical Properties, Rare Earth Ions, Secondary Ion Mass Spectroscopy 197 (1996) 129
Rare Earth Ions, Sol–Gel Processes 197 (1996) 73

Fluoride Glasses
Crystallization, Structure 197 (1996) 8

Germania
Silica, Thermodynamics 197 (1996) 164

Glass Transition
Chalcogenides 197 (1996) 219
Liquid Crystalline Polymers, Mode Coupling 197 (1996) 1

Glasses Containing Transition Metal Ions
Alloys, Magnetic Properties, XPS 197 (1996) 205
Mechanical Amorphization, Optical Properties, Reduction 197 (1996) 192

Hydrogen Effects
Carbon, Neutron Diffraction, X-ray Diffraction 197 (1996) 41

Ionic Conductivity Relaxation
Mixed-Alkali Effect, Nuclear Magnetic Resonance, Relaxation 197 (1996) 53

Liquid Crystalline Polymers
Glass Transition, Mode Coupling 197 (1996) 1

Magnetic Properties
Alloys, Glasses Containing Transition Metal Ions, XPS 197 (1996) 205

Mechanical Amorphization
Glasses Containing Transition Metal Ions, Optical Properties, Reduction 197 (1996) 192

Metal–Non-metal Transition
Chalcogenides, Density, Differential Scanning Calorimetry 197 (1996) 235

Mixed-Alkali Effect
Ionic Conductivity Relaxation, Nuclear Magnetic Resonance, Relaxation 197 (1996) 53

Mode Coupling
Glass Transition, Liquid Crystalline Polymers 197 (1996) 1

Modelling
Alkali Silicate Glasses, Raman Spectra 197 (1996) 179
Borates, Optical Properties, Rare Earth Ions 197 (1996) 111
Dielectric Relaxation, Electrical Properties and Relaxation 197 (1996) 83
Diffusion, Structure 197 (1996) 154
Relaxation 197 (1996) 247

Nanocrystalline Materials
Chalcogenides, Composites, Raman Spectra 197 (1996) 238

Neutron Diffraction
Carbon, Hydrogen Effects, X-ray Diffraction 197 (1996) 41

Nuclear Magnetic Resonance
Ionic Conductivity Relaxation, Mixed-Alkali Effect, Relaxation 197 (1996) 53
Sol–Gel Processes 197 (1996) 65

Optical Properties
Borates, Modelling, Rare Earth Ions 197 (1996) 111
Fluorescence Spectra, Rare Earth Ions, Secondary Ion Mass Spectroscopy 197 (1996) 129
Glasses Containing Transition Metal Ions, Mechanical Amorphization, Reduction 197 (1996) 192

Oxides
Electrical Properties, Thermal Properties, XPS 197 (1996) 31

Phase Diagrams
Phase Separation, Quasicrystals 197 (1996) 197

Phase Separation
Phase Diagrams, Quasicrystals 197 (1996) 197

Porosity
Borates, Structure 197 (1996) 145

Quasicrystals
Phase Diagrams, Phase Separation 197 (1996) 197

Raman Spectra
Alkali Silicate Glasses, Modelling 197 (1996) 179
Chalcogenides, Composites, Nanocrystalline Materials 197 (1996) 238

Rare Earth Ions
Annealing Effects, Fluorescence Spectra, Sol–Gel Processes 197 (1996) 136
Borates, Modelling, Optical Properties 197 (1996) 111
Fluorescence Spectra, Optical Properties, Secondary Ion Mass Spectroscopy 197 (1996) 129
Fluorescence Spectra, Sol–Gel Processes 197 (1996) 73

Reduction
Glasses Containing Transition Metal Ions, Mechanical Amorphization, Optical Properties 197 (1996) 192

Relaxation
Ionic Conductivity Relaxation, Mixed-Alkali Effect, Nuclear Magnetic Resonance 197 (1996) 53
Modelling 197 (1996) 247

Secondary Ion Mass Spectroscopy
Fluorescence Spectra, Optical Properties, Rare Earth Ions 197 (1996) 129

Silica
Germania, Thermodynamics 197 (1996) 164

Silicates
Amorphous Solids, Crystallization, Thermal Properties 197 (1996) 170

Silicon Alloys
Electrical Properties, Sputtering, Transport Properties – Solids 197 (1996) 25

Solar Cells – Tandem
Electron Interactions 197 (1996) 250

Sol–Gel Processes
Annealing Effects, Fluorescence Spectra, Rare Earth Ions 197 (1996) 136
Fluorescence Spectra, Rare Earth Ions 197 (1996) 73
Nuclear Magnetic Resonance 197 (1996) 65

Sputtering
Electrical Properties, Silicon Alloys, Transport Properties – Solids 197 (1996) 25

Structure
Borates, Porosity 197 (1996) 145
Crystallization, Fluoride Glasses 197 (1996) 8
Diffusion, Modelling 197 (1996) 154

Thermal Properties
Amorphous Solids, Crystallization, Silicates 197 (1996) 170
Electrical Properties, Oxides, XPS 197 (1996) 31

Thermodynamics
Germania, Silica 197 (1996) 164

Transport Properties – Solids
Electrical Properties, Silicon Alloys, Sputtering 197 (1996) 25

Viscosity
Chalcogenides, Differential Scanning Calorimetry 197 (1996) 210

XPS
Alloys, Glasses Containing Transition Metal Ions, Magnetic Properties 197 (1996) 205
Electrical Properties, Oxides, Thermal Properties 197 (1996) 31

X-ray Diffraction
Carbon, Hydrogen Effects, Neutron Diffraction 197 (1996) 41